

List of Activities

P *Zizyphus trinervia*

How used

Medicinal

*Unless otherwise noted all references are to Duke, James A. 1992. Handbook of phytochemical constituents of GRAS herbs and other economic plants. Boca Raton, FL. CRC Press.

Activity	Reference
Anthelmintic	
	Chemicals (1)
	BETULINIC-ACID
Antibacterial	
	Chemicals (1)
	BETULINIC-ACID
Anticancer	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
	Chemicals (1)
	BETULINIC-ACID
Anticarcinomic	
	Chemicals (2)
	BETULIN
	BETULINIC-ACID
Antiedemic	
	Chemicals (1)
	BETULINIC-ACID
Antifeedant	
	Chemicals (1)
	BETULIN
Antiflu	
	Chemicals (1)
	BETULIN
AntiHIV	
	Chemicals (2)
	BETULIN 6.1 uM
	BETULINIC-ACID EC50=2.0 ug/ml
Antiinflammatory	Recio, M., et al. 1994. Investigations on the Steroidal Anti-Inflammatory Activity of Triterpenoids from <i>Diospyros leucomelas</i> *. <i>Planta Medica</i> , 61: 9.
	Chemicals (2)
	BETULIN
	BETULINIC-ACID
Antileukemic	

Chemicals (1)

BETULINIC-ACID

Antimalarial

Chemicals (1)BETULINIC-ACID IC₅₀=19-26 ug/ml

Antimelanomic New York Times, 3/28/95.

Chemicals (1)

BETULINIC-ACID

Antinociceptive

Chemicals (1)

BETULINIC-ACID

Antiplasmoidal

Chemicals (1)BETULINIC-ACID IC₅₀=19-26 ug/ml

Antitumor Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.

Chemicals (2)

BETULIN

BETULINIC-ACID

Antiviral

Chemicals (2)

BETULIN 6.1 uM

BETULINIC-ACID 14.8 uM

Aphidifuge Lugemwa, F.N., Huang, F-Y., Bentley, M.D., Mendel, M.J., and Alford, A.R. 1990. A Heliothis zea Antifeedant from the Abundant Birchbark Triterpene Betulin. J. Agric. Food Chem. 38(2): 493-494.

Chemicals (1)

BETULIN

Apoptotic

Chemicals (1)

BETULINIC-ACID

Cytotoxic

Chemicals (2)

BETULIN 600 ppm

BETULINIC-ACID 50-100 ppm

Hypolipemic

Chemicals (1)

BETULIN

Phospholipase-A2-Inhibitor

Chemicals (1)

BETULINIC-ACID

Prostaglandin-Synthesis-Inhibitor Huang, C., Tunon, H., Bohlin, L. 1995. Anti-Inflammatory Compounds Isolated from Menyanthes trifoliata L. Yao Hsueh Hsueh Pao, 30(8): 621-626.

Chemicals (2)

BETULIN IC₅₀=119 uM

BETULINIC-ACID 200 ug/ml

Topoisomerase-II-Inhibitor

Chemicals (1)

BETULIN IC₅₀=38.6 uM